SIMPLWINDOWS NAME:	None	
CATEGORY:	Conferencing	
VERSION:	1.0	
SUMMARY:	Controls EF1210 functions for input gain control	
GENERAL NOTES:	Each different ASPI device on the ASPI bus will have a unique unit ID. The module requires unit ID values as parameters. The unit ID has to be the HEX representation of the Unit ID. For example, for a unit ID of 00, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 30 for UNIT_ID_LOW. For a unit ID of 01, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 31 for UNIT_ID_LOW.	
	In addition, this module requires the entry of a channel number. This parameter is entered as the HEX representation of the channel you wish to control (channels 1-8), with entry values ranging from 31 to 38. The module uses real feedback from the ASPI unit for all outputs.	
	The POLL_BEGIN and POLL_END can be used to do an initial poll of the ASPI units for their current status. The modules which have these inputs should daisy chain together with the POLL_END output of the first module triggering the POLL_BEGIN input of the next module. POLL_END of the last module does not get attached to another module. See the example program for proper implementation of this function.	
	The ASPI Serial String Que must be used to ensure that ASPI bus traffic is handled properly. Failure to implement this module may result in improper feedback from the ASPI units. See the example program for proper implementation of this function.	
CRESTRON HARDWARE REQUIRED:	CNXCOM-2, ST-COM, CNXCOM, CEN-COM	
SETUP OF CRESTRON HARDWARE:	Tested and verified at the following settings:	
	Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1	
	No Handshaking	
VENDOR FIRMWARE:	1.01	
VENDOR SETUP:	None	
CABLE NUMBER:	CNSP-121	

CONTROL:

UP	D	Raise input volume level
DOWN	D	Lower input volume level
MUTE_ON	D	Turn volume mute on
MUTE_OFF	D	Turn volume mute off
		Digital trigger used to request an update poll for real feedback status. This only needs to

| POLL_BEGIN | D | be implemented at program startup a status update is desired |
| ASPI -RX$ | S | Serial data string to be routed from the RX$ of a COM port |

FEEDBACK:

LEVEL_FB$	S	Real feedback text string showing current volume level
MUTE_ON_FB	D	Real feedback indicating mute is on
POLL_END	D	Digital signal to be looped to the next ASPI module to continue status update request chain
ASPI_TX$	S	Serial data string to be routed to the TX$ of a com port

PARAMETER DESCRIPTIONS:

UNIT-ID-HIGH	P	Hex version of EF1210's upper nibble of the unit ID. For ID 00, use 30. For ID 10, use 31.
UNIT-ID-LOW	P	Hex version of EF1210's lower nibble of the unit ID. For ID 00, use 30. For ID 01, use 31.
CHANNEL_NUMBER	P	See information above for proper usage.

OPS USED FOR TESTING:	5.10.11
COMPILER USED FOR TESTING:	SimplWindows Version 1.40.07
SAMPLE PROGRAM:	EF1210 TEST REV1.SMW
REVISION HISTORY:	ASPI EF1210 INPUT GAIN2 - Original